

# Lloyd's Register of British & Foreign Shipping.

(Report on Machinery, No. 34565 Port **GLASGOW**)

Order 15245.

No. **18144** ENGINE FORGINGS OR CASTINGS

I have to report that the ~~XXXXXX~~ Steel Forgings ~~XXXXXXXXXX~~, as herein described, manufactured by **Messrs. Gutehoffnungshütte, A.-V. of Oberhausen** for the Engines No. **612** being constructed by **Messrs. David Rowan & Co. of Glasgow** for the Ship No. **361**, being built by **Messrs. Chas. Connell & Co. of Scottstown**

have been inspected by me as set forth below, and found to be, so far as can be seen, **sound and free from defects.**

**1 intermediate shaft.**

Mark on Forgings or Castings.

**Lloyd's**  
No. **9178.**  
K.H. **12.13.**

Düsseldorf, 18th December 1913.

*Paul Haupt*

|   | CRANK SHAFT. | STRAIGHT SHAFTING. |                                     |                  |
|---|--------------|--------------------|-------------------------------------|------------------|
|   |              | THRUST SHAFT.      | INTERMEDIATE SHAFTS.                | PROPELLER SHAFT. |
| Material                                    |              |                    | annealed Siemens-Martin Ingot steel |                  |
| How made                                    |              |                    | forged                              |                  |
| Dimensions                                  |              |                    | 14 3/4" diam.                       |                  |
| Progress on Inspection                      |              |                    | rough turned diameter .798"         |                  |
| Tests on Standard Test Pieces.              |              |                    | 31.1                                |                  |
| Tensile Test—<br>Tons per square inch       |              |                    | 31.5                                |                  |
| Extension per cent                          |              |                    | 180 degr. good.                     |                  |
| Cold Bending Test—<br>Angle before fracture |              |                    | 9,16/12.1913.                       |                  |
| Dates when Inspected                        |              |                    |                                     |                  |

PARTICULARS OF OTHER TESTS APPLIED TO CASTINGS:—



Fee (if any chargeable) £  
To be paid at **Düsseldorf.**

\* If of iron, state whether scrap or puddled iron. If of steel, state whether made on the Open Hearth process.

W49-0142

